The New DoD Systems Acquisition Process

KEY FOCUS AREAS

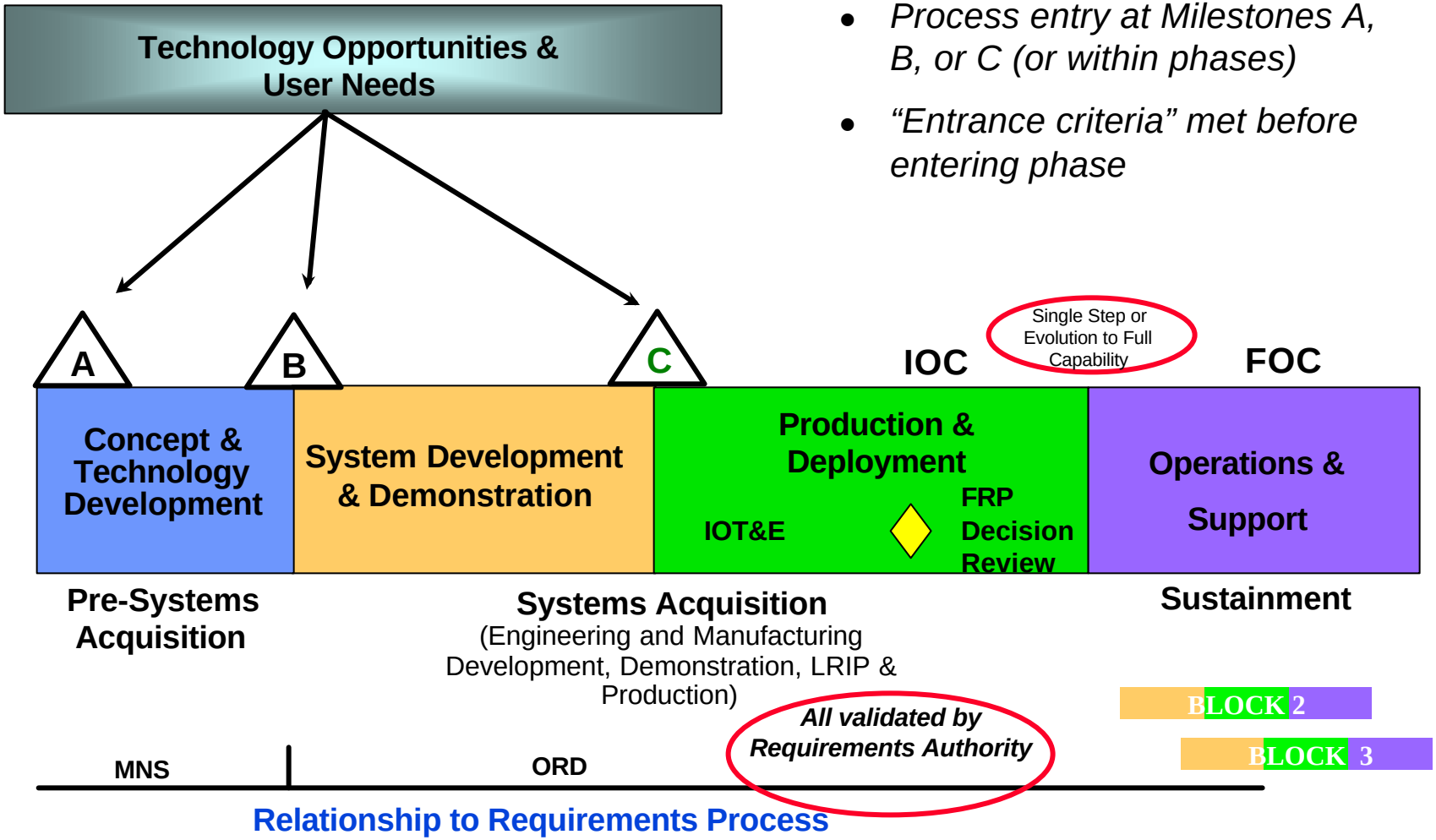
- **Deliver advanced technology to warfighters faster**
  - ➔ Rapid acquisition with demonstrated technology
  - ➔ Full system demonstration before commitment to production
- **Reduce total ownership costs and improve affordability**
  - ➔ Cost as a requirement that drives design, procurement, and support
  - ➔ Increased competition
- **Deploy interoperable and supportable systems**
  - ➔ Interoperability demonstrated prior to production
  - ➔ Integration of acquisition and logistics
  - ➔ Improved software management

Improved performance (including quality) at lower cost.

New Model

- ***Technology opportunity*** **and** ***mission need present*** **-** before entering acquisition process
- ***Multiple process paths*** **-** not just one way of entering systems acquisition and commercial products allow later entry
- ***Evolutionary acquisition*** **-** based on *time-phased requirements* - preferred (but not only) approach
- **Technology development *separated* from systems integration -** achieve proven technology before beginning systems-level work at Milestone B
- **"LRIP"** ***more important*** **Departmental** ***commitment*** - than "Full Rate"
- ***"Entrance criteria"*** **met --** before entering next phase
- ***Operations, Support, and Disposal*** **-** part of acquisition process

The New 5000 Model



- *Process entry at Milestones A, B, or C (or within phases)*
- *"Entrance criteria" met before entering phase*

Total Ownership Costs

- **Use *market research* and *commercial products* -** to increase competition
- **Use *Open Systems* Architecture -** to reduce cost of technology insertions
- **Use *Dissimilar Competition* -** non-head-to-head alternatives to meet capability need
- **Increase use of *Simulation Based Acquisition* -** to reduce costs for hardware prototype
- ***Reprocurement reform*** -- based on business case analysis of predicted life, tech insertion opportunities, and cost reduction potential

Affordability

- **Value *addressed*** - in the ORD by user
- ***Minimum* number of *mission-oriented Key Performance Parameters* -** to facilitate cost-performance trades
- ***Affordability analysis*** -- at each milestone decision point

Interoperability

- **Interoperability requirements identified as Key Performance Parameters (KPP)**
- **Use of a C4I Support Plan to discuss how to meet Interoperability KPP**
- **“System-of-systems” management approach**
  - **Capstone Requirements Documents**
  - **MDAs & Testers will ensure thorough understanding of critical system interfaces and flow of consistent/reliable data/information between systems in the battlefield**
  - **Mutual understanding of key systems in a mission area**

Supportability

- Total life-cycle view, including operations, support, and disposal
- Increased emphasis on human factors and manpower
- Emphasis on reliability built into design
- Requirement for supportability to be addressed in acquisition strategy

Simulation Based Acquisition in the 5000 Series

DoDD 5000.1

– SBA addressed as part of “effective management”

DoDI 5000.2

–Discussed as part of “discovery” process and system demonstration

DoD 5000.2-R

–Covered in acquisition strategy, test and evaluation, and design section

Commitment to Implementation